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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 21 EVENTLINE has been reloaded

NEWS EXPRESS October 14 CURRENT WINDOWS VERSION IS V6.01,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:44:59 ON 21 OCT 2002

=> file biosis embase caplus medline scisearch
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.42	0.42

FILE 'BIOSIS' ENTERED AT 11:45:49 ON 21 OCT 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 11:45:49 ON 21 OCT 2002
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'CAPLUS' ENTERED AT 11:45:49 ON 21 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE 'MEDLINE' ENTERED AT 11:45:49 ON 21 OCT 2002

FILE 'SCISEARCH' ENTERED AT 11:45:49 ON 21 OCT 2002
COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

=> s mouse (w) DNA
L1 5004 MOUSE (W) DNA

=> s L1 and genomic (w) DNA (w) library
L2 26 L1 AND GENOMIC (W) DNA (W) LIBRARY

=> rem dup
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field

DELETE NAMELIST MYLIST - delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

```
DELETE P123001C      - delete print request
DELETE D134002C      - delete document order request
```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L21           - delete a single L-number
DELETE L3-L6         - delete a range of L-numbers
DELETE LAST 4        - delete the last 4 L-numbers
DELETE L33-          - delete L33 and any higher L-number
DELETE -L55          - delete L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                      renumber remaining L-numbers
DELETE RENUMBER       - renumber L-numbers after deletion of
                      intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED   - delete all saved queries, answer sets,
                  and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT  - delete all user-defined display formats
DELETE FIELD   - delete all user-defined search fields
DELETE SELECT  - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                  session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

=> rem dup L2

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers
DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

DELETE SAVED/Q	- delete all saved queries
DELETE SAVED/A	- delete all saved answer sets
DELETE SAVED/L	- delete all saved L-number lists
DELETE SAVED	- delete all saved queries, answer sets, and L-number lists
DELETE SAVED/S	- delete all SDI requests
DELETE SAVED/B	- delete all batch requests
DELETE CLUSTER	- delete all user-defined clusters
DELETE FORMAT	- delete all user-defined display formats
DELETE FIELD	- delete all user-defined search fields
DELETE SELECT	- delete all E-numbers
DELETE HISTORY	- delete all L-numbers and restart the session at L1

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the

multifile SDI, enter DELETE and the name of the component.

=> dup rem L2

PROCESSING COMPLETED FOR L2

L3 8 DUP REM L2 (18 DUPLICATES REMOVED)

=> dis L3 1-8 ibib kwic

L3 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

ACCESSION NUMBER: 1995:35613 BIOSIS

DOCUMENT NUMBER: PREV199598049913

TITLE: Mouse 230-kDa bullous pemphigoid antigen gene: Structural and functional characterization of the 5'-flanking region and interspecies conservation of the deduced

amino-terminal

peptide sequence of the protein.

AUTHOR(S): Sawamura, Daisuke (1); Sato, Takashi; Kon, Atsushi; Harada,

Ken; Nomura, Kazuo; Hashimoto, Isao; Tamai, Katsuto;

Uitto,

Jouni

CORPORATE SOURCE: (1) Dep. Dermatol., Hirosaki Univ. Sch. Med., 5 Zaifu-cho, Hirosaki 036 Japan

SOURCE: Journal of Investigative Dermatology, (1994) Vol. 103, No. 5, pp. 651-655.

ISSN: 0022-202X.

DOCUMENT TYPE: Article

LANGUAGE: English

AB. . . bullous pemphigoid antigen gene (BPAG1), and to evaluate evolutionary conservation of the amino-terminus of the protein, we screened a mouse **genomic DNA library** with a 0.3-kb cDNA corresponding to the 5'end of the human 230-kDa bullous pemphigoid antigen cDNA. A positive clone was. . . TATAAA and CCAAT consensus sequences, as well as several putative cis-regulatory elements, were identified in the 5'-flanking region of the **mouse DNA**. To test the functional promoter activity of the 5'-flanking DNA, three mouse BPAG1 promoter/CAT reporter gene constructs, with the promoter. . .

L3 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2

ACCESSION NUMBER: 1994:435556 BIOSIS

DOCUMENT NUMBER: PREV199497448556

TITLE: Identification of four genes coding for isoforms of murinoglobulin, the monomeric mouse alpha-2-macroglobulin: Characterization of the exons coding for the bait region.

AUTHOR(S): Overbergh, L.; Hilliker, C.; Lorent, K.; Van Leuven, F. (1); Van Den Berghe, H.

CORPORATE SOURCE: (1) Cent. Human Genetics, Campus Gasthuisberg, Herestraat 49, B-3000 Leuven Belgium

SOURCE: Genomics, (1994) Vol. 22, No. 3, pp. 530-539.

ISSN: 0888-7543.

DOCUMENT TYPE: Article

LANGUAGE: English

AB Murinoglobulins are the single chain members of the alpha-2-macroglobulin family of proteinase inhibitors in the **mouse. DNA** clones representing the genes coding for four different murinoglobulins were isolated from three independent mouse **genomic DNA libraries**. Sequence analysis demonstrated that in each gene two

exons are coding for the bait region. This is the specific protein. . .

L3 ANSWER 3 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:69792 BIOSIS
DOCUMENT NUMBER: BA91:38452
TITLE: YEAST ARTIFICIAL CHROMOSOMES AN ALTERNATIVE APPROACH TO
THE
MOLECULAR ANALYSIS OF MOUSE DEVELOPMENTAL MUTATIONS.
AUTHOR(S): LARIN Z; LEHRACH H
CORPORATE SOURCE: IMPERIAL CANCER RES. LAB., 44 LINCOLN'S INN FIELDS, LONDON
WC2A 3PX.
SOURCE: GENET RES, (1990) 56 (2-3), 203-208.
CODEN: GENRA8. ISSN: 0016-6723.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB. . . previously analysed by genetic and embryological techniques. To
simplify such an analysis, we have established a number of libraries of
mouse DNA in Yeast Artificial Chromosome (YAC) vectors,
constructed either by partial digestion with EcoRI, or by complete
digestion with enzymes which. . .
IT Miscellaneous Descriptors
T-COMPLEX **GENOMIC DNA LIBRARY**

L3 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
ACCESSION NUMBER: 1987:315910 BIOSIS
DOCUMENT NUMBER: BA84:35417
TITLE: DIFFERENTIAL TRANSCRIPTION OF THE REPETITIVE R-ELEMENT IN
VARIOUS MOUSE CELL TYPES.
AUTHOR(S): WEBER T; SCHMITT H P; ALONSO A
CORPORATE SOURCE: GERMAN CANCER RES. CENT., INST. EXP. PATHOL., IM
NEUENHEIMER FELD 280, 6900 HEIDELBERG, F.R.G.
SOURCE: GENE (AMST), (1987) 53 (1), 105-112.
CODEN: GENED6. ISSN: 0378-1119.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB Clones that contain R-elements separated from the rest of the L1-repeat
have been isolated from a mouse **genomic DNA**
library. Spot hybridization of DNA from various species (from
mammals to plants) with one representative and well characterized
mouse DNA clone shows that at least this sequence
hybridizes only with **mouse DNA**. In addition, we
demonstrate that the R-element repeat is transcribed differentially in
various tissues or cell types. Furthermore, the amount. . .

L3 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
ACCESSION NUMBER: 1986:397107 BIOSIS
DOCUMENT NUMBER: BA82:82587
TITLE: HUMAN CELLULAR SEQUENCES DETECTABLE WITH ADENOVIRUS PROBES
I. EVIDENCE FOR NOVEL REPEAT SEQUENCES AND A POSSIBLE
E-1A-LIKE CELLULAR GENE.
AUTHOR(S): BRAITHWAITE A W; DIVER W P; JEUNE S L; DRIVER F; NAORA H
CORPORATE SOURCE: MOLECULAR BIOL. UNIV., RES. SCH. BIOL. SCI., AUSTRALIAN
NATL. UNIV., GPO BOX 475, CANBERRA, ACT 2601, AUSTRALIA.
SOURCE: CHROMOSOMA (BERL), (1986) 93 (6), 537-544.
CODEN: CHROAU. ISSN: 0009-5915.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB. . . DNAs from adenovirus types 2 and 5 are extended in the present

paper. A clone (ChAdh), isolated from a human **genomic DNA library** using an adenovirus probe, hybridized to discrete regions of adenovirus 2 DNA, including part of the transforming genes Ela and. . . probe different from that responsible for hybridization to repeated sequences. This unique sequence was detected as an EcoRI fragment in **mouse DNA** and had a molecular size of about 8.8 kb.

L3 ANSWER 6 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5
ACCESSION NUMBER: 1986:132252 BIOSIS
DOCUMENT NUMBER: BA81:42668
TITLE: TRANSIENT EXPRESSION OF HUMAN NEUTRAL ALPHA GLUCOSIDASE AB
GLUCOSIDASE II IN ENZYME-DEFICIENT MOUSE LYMPHOMA CELLS.
AUTHOR(S): MARTINIUK F; PELLICER A; HIRSCHHORN R
CORPORATE SOURCE: DEP. MED., NEW YORK UNIV. MED. CENTER, NEW YORK, NEW YORK
10016.
SOURCE: J BIOL CHEM, (1985) 260 (26), 14351-14354.
CODEN: JBCHA3. ISSN: 0021-9258.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB. . . after addition of DNA as a 2.5-fold increase in neutral
.alpha.-glucosidase activity (2.47 +/- 0.15, n = 4). When mutant
mouse DNA was used for transformation, no increase in
enzyme activity was seen. The increased enzyme activity was due to
expression of. . . while digestion of DNA with BamHI and XhoI did not
affect the increase. Transfection with intact phage from a human
genomic DNA library also resulted in transient
expression of the human gene. These results demonstrate the feasibility
of
detecting, by enzymatic assay, transient. . .

L3 ANSWER 7 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6
ACCESSION NUMBER: 1983:331379 BIOSIS
DOCUMENT NUMBER: BA76:88871
TITLE: ISOLATION AND CHARACTERIZATION OF MULTIPLE HUMAN GENES
HOMOLOGOUS TO THE ONCOGENES OF AVIAN ERYTHROBLASTOSIS
VIRUS.
AUTHOR(S): JANSSON M; PHILIPSON L; VENNSTROM B
CORPORATE SOURCE: DEP. MICROBIOL., BOX 589, BIOMED. CENT., UPPSALA UNIV.,
UPPSALA, SWEDEN.
SOURCE: EMBO (EUR MOL BIOL ORGAN) J, (1983) 2 (4), 561-566.
CODEN: EMJODG. ISSN: 0261-4189.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB Human DNA sequences complementary to the oncogenes v-erbA and v-erbB of
avian erythroblastosis virus were isolated from a **genomic
DNA library**. Two clones, .lambda.he-A1 and
.lambda.he-A2, were related to the erbA gene and one to the erbB gene
(.lambda.he-B). The 2. . . erb-related genes are active and do not
represent pseudogenes. Two distantly related classes of erbA genes exist
in human and **mouse DNA**, and multiple copies of genes
belonging to 1 of these 2 classes exist in the human genome.

L3 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
7
ACCESSION NUMBER: 1984:274525 BIOSIS
DOCUMENT NUMBER: BA78:11005
TITLE: STRUCTURE OF THE MOUSE CYTOCHROME P-1-450 GENOMIC GENE.

AUTHOR(S): NAKAMURA M; NEGISHI M; ALTIERI M; CHEN Y-T; IKEDA T; TUKEY
R H; NEBERT D W
CORPORATE SOURCE: DEV. PHARMACOLOGY BRANCH, NATL. INST. CHILD HEALTH HUMAN
DEV., NATL. INST. HEALTH, 9000 ROCKVILLE PIKE, BETHESDA,
MD. 20205, USA.
SOURCE: EUR J BIOCHEM, (1983) 134 (1), 19-26.
CODEN: EJBACI. ISSN: 0014-2956.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB. . . individual 3-methylcholanthrene-treated offspring of the (C57BL/6N)
(DBA/2N)F1 .times. DBA/2N backcross. With clone 46 as a probe, a MOPC 41
mouse **genomic-DNA library** was screened.
.lambda.3NT12, a 16 .times. 103-base-pair insert of genomic DNA grown in
a
recombinant Charon 4A .lambda. vector phage,. . . the 5' region of
.lambda.3NT12, was subcloned in plasmid pBR322 and used as a probe to
screen again the same **mouse-DNA library**; recombinant
phages .lambda.3NT13, .lambda.3NT14 and .lambda.AhP-1 were isolated and
characterized. The relative orientation of each of the 4 genomic. . .

=> s mouse (w) DNA (w) library
L4 123 MOUSE (W) DNA (W) LIBRARY

=> L4 and (construct? or prepar? or mak?)
L5 4 L4 AND (CONSTRUCT? OR PREPAR? OR MAK?)

=> dup rem L4
PROCESSING COMPLETED FOR L4
L6 16 DUP REM L4 (107 DUPLICATES REMOVED)

=> dup rem L5
PROCESSING COMPLETED FOR L5
L7 3 DUP REM L5 (1 DUPLICATE REMOVED)

=> dis L6 1-16 ibib kwic

L6 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:309810 CAPLUS
DOCUMENT NUMBER: 136:320318
TITLE: Method for screening of DNA libraries and generation
of recombinant DNA constructs utilizing .lambda.

phage

recombination function
INVENTOR(S): Elledge, Stephen J.; Zhang, Pumin; Li, Mamie
PATENT ASSIGNEE(S): Baylor College of Medicine, USA
SOURCE: U.S., 22 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6376192	B1	20020423	US 2000-724934	20001128
WO 2002044415	A1	20020606	WO 2001-US44088	20011127

W: AU, CA, JP

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, TR

Date not found

AU 2002019856 A5 20020611 AU 2002-19856 20011127
PRIORITY APPLN. INFO.: US 2000-724934 A 20001128
WO 2001-US44088 W 20011127
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

IT Animal
Arabidopsis
Aves
Bacteria (Eubacteria)
Caenorhabditis elegans
Cat (Felis catus)
Cattle
Corn
Dog (Canis familiaris)
Drosophila
Embryophyta
Fish
Fungi
Guinea pig (Cavia porcellus)
Hamster
Human
Insecta
Mammalia
Mouse
Primates
Rabbit
Rat
Rice (Oryza sativa)
Rye
Sheep
Swine
Wheat
Yeast

(DNA library from; method for screening of DNA
libraries and generation of recombinant DNA constructs utilizing
.lambda. phage recombination function)

L6 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1
ACCESSION NUMBER: 2001:836603 CAPLUS
DOCUMENT NUMBER: 136:15842
TITLE: Mouse BAC ends quality assessment and sequence
analyses
AUTHOR(S): Zhao, Shaying; Shatsman, Sofiya; Ayodeji, Bola; Geer,
Keita; Tsegaye, Getahun; Krol, Margaret;
Gebregeorgis,
Elizabeth; Shvartsbeyn, Alla; Russell, Daniel;
Overton, Larry; Jiang, Lingxia; Dimitrov, George;
Tran, Kevin; Shetty, Jyoti; Malek, Joel A.;
Feldblyum,
Tamara; Nierman, William C.; Fraser, Claire M.
CORPORATE SOURCE: The Institute for Genomic Research, Rockville, MD,
20850, USA
SOURCE: Genome Research (2001), 11(10), 1736-1745
CODEN: GEREFS; ISSN: 1088-9051
PUBLISHER: Cold Spring Harbor Laboratory Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:829099 CAPLUS
 DOCUMENT NUMBER: 136:32520
 TITLE: Mouse BAC ends quality assessment and sequence analyses
 AUTHOR(S): Zhao, Shaying; Shatsman, Sofiya; Ayodeji, Bola; Geer, Keita; Tsegaye, Getahun; Krol, Margaret; Gebregeorgis, Elizabeth; Shvartsbeyn, Alla; Russell, Daniel; Overton, Larry; Jiang, Lingxia; Dimitrov, George; Tran, Kevin; Shetty, Jyoti; Malek, Joel A.; Feldblyum, Tamara; Nierman, William C.; Fraser, Claire M.
 CORPORATE SOURCE: The Institute for Genomic Research, Rockville, MD, 20850, USA
 SOURCE: Genome Research (2001), 11(10), 736-1745
 CODEN: GEREFS; ISSN: 1088-9051
 PUBLISHER: Cold Spring Harbor Laboratory Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L6 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:208901 CAPLUS
 DOCUMENT NUMBER: 134:217895
 TITLE: Functional annotation of a full-length mouse cDNA collection
 AUTHOR(S): Kawai, J.; Shinagawa, A.; Shibata, K.; Yoshino, M.; Itoh, M.; Ishii, Y.; Arakawa, T.; Hara, A.; Fukunishi, Y.; Konno, H.; Adachi, J.; Fukuda, S.; Aizawa, K.; Izawa, M.; Nishi, K.; Kiyosawa, H.; Kondo, S.; Yamanaka, I.; Saito, T.; Okazaki, Y.; Gojobori, T.; Bono, H.; Kasukawa, T.; Saito, R.; Kadota, K.; Matsuda, H.; Ashburner, M.; Batalov, S.; Casavant, T.; Fleischmann, W.; Gaasterland, T.; Gissi, C.; King, B.; Kochiwa, H.; Kuehl, P.; Lewis, S.; Matsuo, Y.; Nikaido, I.; Pesole, G.; Quackenbush, J.; Schriml, L. M.; Staubli, F.; Suzuki, R.; Tomita, M.; Wagner, L.; Washio, T.; Sakai, K.; Okido, T.; Furuno, M.; Aono, H.; Baldarelli, R.; Barsh, G.; Blake, J.; Boffelli, D.; Bojunga, N.; Carninci, P.; de Bonaldo, M. F.; Brownstein, M. J.; Bult, C.; Fletcher, C.; Fujita, M.; Gariboldi, M.; Gustincich, S.; Hill, D.; Hofmann, M.; Hume, D. A.; Kamiya, M.; Lee, N. H.; Lyons, P.; Marchionni, L.; Mashima, J.; Mazzarelli, J.; Mombaerts, P.; Nordone, P.; Ring, B.; Ringwald, M.; Rodriguez, I.; Sakamoto, N.; Sasaki, H.; Sato, K.; Schonbach, C.; Seya, T.; Shibata, Y.; Storch, K.-F.; Suzuki, H.; Toyo-oka, K.; Wang, K. H.; Weitz, C.; Whittaker, C.; Wilming, L.; Wynshaw-Boris, A.; Yoshida, K.; Hasegawa, Y.; Kawaji, H.; Kohtsuki, S.
 CORPORATE SOURCE: The RIKEN Genome Exploration Res. Group Phase II Team, Lab. Genome Exploration Res. Group, RIKEN Genomic Sciences Center (GSC), Yokohama Inst., Yokohama, Kanagawa, 230-0045, Japan; The FANTOM Consortium
 SOURCE: Nature (London) (2001), 409(6821), 685-690

CODEN: NATUAS; ISSN: 0028-0836
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2
ACCESSION NUMBER: 2001:540937 CAPLUS
DOCUMENT NUMBER: 136:145933
TITLE: Verification and initial annotation of the NIA mouse
15K cDNA clone set
AUTHOR(S): Kargul, George J.; Dudekula, Dawood B.; Qian, Yong;
Lim, Meng K.; Jaradat, Saied A.; Tanaka, Tetsuya S.;
Carter, Mark G.; Ko, Minoru S. H.
CORPORATE SOURCE: Developmental Genomics and Aging Section, Laboratory
of Genetics, National Institute on, National
Institutes of Health, Baltimore, MD, USA
SOURCE: Nature Genetics (2001), 28(1), 17-18
CODEN: NGENEC; ISSN: 1061-4036
PUBLISHER: Nature America Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 3
ACCESSION NUMBER: 2000:576912 CAPLUS
DOCUMENT NUMBER: 133:160371
TITLE: Genome-wide expression profiling of mid-gestation
developmental placenta and embryo using a 15,000 mouse
cDNA microarray
AUTHOR(S): Tanaka, Tetsuya S.; Jarada, Saied A.; Lim, Meng K.;
Kargul, George J.; Wang, Xiaohong; Grahovac, Marija
J.; Pantano, Serafino; Sano, Yuri; Piao, Yulan;
Nagaraja, Ramaiah; Doi, Hirofumi; Wood, William H.,
III; Becker, Kevin, G.; Ko, Minoru S. H.
CORPORATE SOURCE: Laboratory of Genetics, National Institutes of
Health,
Baltimore, MD, 21224-5820, USA
SOURCE: Proceedings of the National Academy of Sciences of
the
United States of America (2000), 97(16), 9127-9132
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English

L6 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE
4
ACCESSION NUMBER: 1998:180075 BIOSIS
DOCUMENT NUMBER: PREV199800180075
TITLE: Identification of a novel murine glutathione S-transferase
class mu gene.
AUTHOR(S): De Bruin, Wieke C. C. (1); Te Morsche, Rene H. M.;
Wagenmans, Muriel J. M.; Alferink, Jeroen C.; Townsend,
Alan J.; Wieringa, Be; Peters, Wilbert H. M.
CORPORATE SOURCE: (1) Dep. Gastroenterol., St. Radboud Univ. Hosp., P.O. Box
9101, 6500 HB Nijmegen Netherlands
SOURCE: Biochemical Journal, (March 1, 1998) Vol. 330, No. 2, pp.
623-626.
ISSN: 0264-6021.
DOCUMENT TYPE: Article

LANGUAGE: English

AB Screening of a genomic **mouse DNA library**
with a glutathione S-transferase class mu cDNA probe resulted in the
identification of mGSTM5, a novel member of the murine. . .

L6 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:399282 CAPLUS

DOCUMENT NUMBER: 127:61489

TITLE: Sequence and chromosomal mapping of the mouse homolog
(Madh4) of the human DPC4/MADH4 gene

AUTHOR(S): Anna, Colleen H.; Devereux, Theodora R.

CORPORATE SOURCE: Laboratory of Molecular Carcinogenesis, National
Institute of Environmental Health Sciences, Research
Triangle Park, NC, 27709, USA

SOURCE: Mammalian Genome (1997), 8(6), 443-444

CODEN: MAMGEC; ISSN: 0938-8990

PUBLISHER: Springer

DOCUMENT TYPE: Journal

LANGUAGE: English

AB PCR primers based on the human DPC4/MADH4 gene sequence were used to
amplify Madh4 sequences in mouse strain A/J lung cDNA (GenBank U79748).
Mouse sequences derived from the cloned mouse cDNA were used to screen a
genomic **mouse DNA library** for Madh4
sequences. During the sequencing of the genomic clones, a polymorphic
microsatellite marker, designated D18Dev1, was discovered in intron 9 of
the mouse Madh4 gene and was used to map the gene to mouse chromosome 18.

L6 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:487482 CAPLUS

DOCUMENT NUMBER: 119:87482

TITLE: A PCR-based method for high stringency screening of
DNA libraries

AUTHOR(S): Israel, David I.

CORPORATE SOURCE: Genet. Inst., Cambridge, MA, 02140, USA

SOURCE: Nucleic Acids Research (1993), 21(11), 2627-31

CODEN: NARHAD; ISSN: 0305-1048

DOCUMENT TYPE: Journal

LANGUAGE: English

ST **mouse DNA library** screening PCR; phage
lambda **mouse DNA library** screening;
macrophage colony stimulating factor gene screening

IT **Mouse**
(**DNA library**, in phage lambda, PCR-based method for
high stringency screening of)

IT Polymerase chain reaction
(for high stringency screening of **mouse DNA**
library)

IT Virus, bacterial
(lambda, **mouse DNA library** in, PCR-based
method for high stringency screening of)

IT 81627-83-0, Colony-stimulating factor 1
RL: USES (Uses)
(gene for **mouse, DNA library** in phage
lambda contg., PCR-based method for high stringency screening of)

L6 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:229166 CAPLUS

DOCUMENT NUMBER: 116:229166

TITLE: Genomic analysis using a yeast artificial chromosome
library with mouse DNA inserts

AUTHOR(S): Rossi, Janice M.; Burke, David T.; Leung, Jimmy C.
M.;
CORPORATE SOURCE: Koos, David S.; Chen, Hsiuchen; Tilghman, Shirley M.
Howard Hughes Med. Inst., Princeton Univ., Princeton,
NJ, 08544, USA
SOURCE: Proceedings of the National Academy of Sciences of
the
United States of America (1992), 89(6), 2456-60
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English
ST **mouse DNA library** yeast artificial
chromosome
IT **Mouse**
(**DNA library** of, in yeast artificial chromosome)
IT Molecular cloning
(of **mouse DNA library**, in yeast
artificial chromosome)
IT Genetic vectors
(YAC, **mouse DNA library** constructed in)

L6 ANSWER 11 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS
INC.DUPLICATE

5
ACCESSION NUMBER: 1984:306780 BIOSIS
DOCUMENT NUMBER: BA78:43260
TITLE: EXPRESSION AND REARRANGEMENT OF HOMOLOGOUS IMMUNO GLOBULIN
V-H GENES IN 2 MOUSE STRAINS.
AUTHOR(S): NEAR R I; JUSZCZAK E C; HUANG S Y; SICARI S A; MARGOLIES M
N; GEFTER M L
CORPORATE SOURCE: DEP. BIOL., 56-701, MASS. INST. TECHNOL., CAMBRIDGE, MASS.
02139.
SOURCE: PROC NATL ACAD SCI U S A, (1984) 81 (7), 2167-2171.
CODEN: PNASA6. ISSN: 0027-8424.
FILE SEGMENT: BA; OLD
LANGUAGE: English
AB. . . utilized by hybridomas whose antibodies bind Ars and bear Id36-60.
The relevant VH genes were cloned from A/J and BALB/c **mouse**
DNA libraries. Their DNA sequences were found to differ
at only 2 positions. Southern blot analysis, protein sequence
determination and nucleic acid. . .

L6 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1984:545070 CAPLUS
DOCUMENT NUMBER: 101:145070
TITLE: Molecular cloning of H-2 class I genes in the H-2b
haplotype
AUTHOR(S): Mellor, A. L.; Golden, L.; Weiss, E.; Bullman, H.;
Bud, H.; Hurst, J.; Flavell, R.; James, R. F. L.;
Simpson, E.; et al.
CORPORATE SOURCE: Lab. Gene Struct. Express., Natl. Inst. Med. Res.,
Ridgeway/Mill Hill/London, NW7 1AA, UK
SOURCE: Recent Adv. Immunol., [Proc. Eur. Immunol. Meet.],
5th
(1984), Meeting Date 1982, 69-75. Editor(s):
Muftuoglu, Asuman U.; Barlas, Nefise. Plenum: New
York, N. Y.
CODEN: 51TQAB
DOCUMENT TYPE: Conference
LANGUAGE: English

AB A discussion is given on the cloning and structural anal. of the H-2 class

I antigen genes of the C57BL/10 mouse. Both H-2 cDNA or HLA genomic probes were used to isolate 90 cosmids contg. class I genes from a **mouse DNA library**. The cosmids were organized into 5 distinct clusters of overlapping mouse DNA on the basis of restriction enzyme mapping and Southern blot hybridization. The DNA regions cloned in each cosmid cluster were mapped to 1 of 4 genetic loci known from immunol. anal. to control class I cell surface antigen expression in the mouse. Most of the class I genes were mapped to the Qa2,3 or the TL locus. Cosmids were also used to transform mouse L-cells (H-2k haplotype) and the resulting transformants were examd. for new H-2b haplotype-specific cell surface antigens .

L6 ANSWER 13 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1985:342582 BIOSIS

DOCUMENT NUMBER: BA80:12574

TITLE: SCREENING AND ISOLATING OF MOUSE IMMUNOGLOBULIN HEAVY CHAIN

C-EPSILON GENE FROM NEWBORN **MOUSE DNA LIBRARY**.

AUTHOR(S): YANG J; YANG Z; YANG X; QU B; DONG J; WANG R; LIU W

CORPORATE SOURCE: HEILONJIANG APPLIED MICROBIOLOGICAL INST., HARBIN.

SOURCE: ACTA GENET SIN, (1984 (RECD 1985)) 11 (1), 6-11.

CODEN: ICHPCG. ISSN: 0379-4172.

FILE SEGMENT: BA; OLD

LANGUAGE: Chinese

TI SCREENING AND ISOLATING OF MOUSE IMMUNOGLOBULIN HEAVY CHAIN C-EPSILON GENE

FROM NEWBORN **MOUSE DNA LIBRARY**.

AB. . . the genetics of the C.epsilon. gene. For its further study the C.epsilon. gene was screened and isolated from the newborn **mice DNA library** using the following methods: Denton Davis screen, Nick translation Southern blotting, hybridization, digested cloning C.epsilon. DNA with EcoRI and electrophoresis. . .

L6 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1983:174052 CAPLUS

DOCUMENT NUMBER: 98:174052

TITLE: Identification of a cDNA clone for mouse apoprotein A-1 (apo A-1) and its use in characterization of apo A-1 mRNA expression in liver and small intestine

AUTHOR(S): Miller, Jeanette C. Ertel; Barth, Richard K.; Shaw, Phillip H.; Elliott, Rosemary W.; Hastie, Nicholas D.

CORPORATE SOURCE: Dep. Mol. Biol., Roswell Park Mem. Inst., Buffalo, NY,

14263, USA

SOURCE: Proc. Natl. Acad. Sci. U. S. A. (1983), 80(6), 1511-15

CODEN: PNASA6; ISSN: 0027-8424

DOCUMENT TYPE: Journal

LANGUAGE: English

IT Deoxyribonucleic acids

RL: BIOL (Biological study)

(lipoprotein A-I-specifying, of **mouse DNA library**, identification of)

L6 ANSWER 15 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

ACCESSION NUMBER: 1984:274525 BIOSIS
DOCUMENT NUMBER: BA78:11005
TITLE: STRUCTURE OF THE MOUSE CYTOCHROME P-1-450 GENOMIC GENE.
AUTHOR(S): NAKAMURA M; NEGISHI M; ALTIERI M; CHEN Y-T; IKEDA T; TUKEY
R H; NEBERT D W
CORPORATE SOURCE: DEV. PHARMACOLOGY BRANCH, NATL. INST. CHILD HEALTH HUMAN
DEV., NATL. INST. HEALTH, 9000 ROCKVILLE PIKE, BETHESDA,
MD. 20205, USA.
SOURCE: EUR J BIOCHEM, (1983) 134 (1), 19-26.
CODEN: EJBCAI. ISSN: 0014-2956.
FILE SEGMENT: BA; OLD
LANGUAGE: English

AB. . . the 5' region of .lambda.3NT12, was subcloned in plasmid pBR322 and
used as a probe to screen again the same **mouse-DNA**
library; recombinant phages .lambda.3NT13, .lambda.3NT14 and
.lambda.AhP-1 were isolated and characterized. The relative orientation
of
each of the 4 genomic clones. . . .

L6 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1982:610755 CAPLUS
DOCUMENT NUMBER: 97:210755
TITLE: The complete amino acid sequence of the murine
transplantation antigen H-2Db as deduced by molecular
cloning
AUTHOR(S): Reyes, Antonio A.; Schoeld, Monica; Wallace, R. Bruce
CORPORATE SOURCE: Dep. Mol. Genet., City Hope Res. Inst., Duarte, CA,
91010, USA
SOURCE: Immunogenetics (N. Y.) (1982), 16(1), 1-9
CODEN: IMNGBK; ISSN: 0093-7711
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A **mouse DNA library** derived from the EL4
cell line (.beta.-haplotype) was screened with a probe contg. a small
part
of the H-2Kb coding region. One of the clones isolated, pH203, encodes a
protein whose deduced amino acid sequence is identical with the known
sequence of H-2Db in all 141 positions available for comparison. The
clone, therefore, is believed to code for the H-2Db transplantation
antigen. The cDNA insert of pH203 contains the coding region for
residues
82 through the C-terminus of H-2Db and includes 476 nucleotides of the 3'
untranslated sequence. Comparison between the H-2Db cDNA clone and a
previously isolated H-2Kb cDNA clone shows homologies of 83% and 91% at
the amino acid and nucleotide levels, resp. Anal. of DNA sequences at
the
3' coding and untranslated regions suggests that the mRNAs of H-2Kb and
H-2Db are spliced differently at their 3' coding ends.

=> dis L7 1-3

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

AN 2002:309810 CAPLUS
DN 136:320318
TI Method for screening of DNA libraries and generation of recombinant DNA
constructs utilizing .lambda. phage recombination function
IN Elledge, Stephen J.; Zhang, Pumin; Li, Mamie
PA Baylor College of Medicine, USA
SO U.S., 22 pp.

CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6376192	B1	20020423	US 2000-724934	20001128
	WO 2002044415	A1	20020606	WO 2001-US44088	20011127
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	AU 2002019856	A5	20020611	AU 2002-19856	20011127
PRAI	US 2000-724934	A	20001128		
	WO 2001-US44088	W	20011127		

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1
 AN 2000:576912 CAPLUS
 DN 133:160371
 TI Genome-wide expression profiling of mid-gestation placenta and embryo using a 15,000 mouse developmental cDNA microarray
 AU Tanaka, Tetsuya S.; Jarada, Saied A.; Lim, Meng K.; Kargul, George J.; Wang, Xiaohong; Grahovac, Marija J.; Pantano, Serafino; Sano, Yuri; Piao, Yulan; Nagaraja, Ramaiah; Doi, Hirofumi; Wood, William H., III; Becker, Kevin, G.; Ko, Minoru S. H.
 CS Laboratory of Genetics, National Institutes of Health, Baltimore, MD, 21224-5820, USA
 SO Proceedings of the National Academy of Sciences of the United States of America (2000), 97(16), 9127-9132
 CODEN: PNASA6; ISSN: 0027-8424
 PB National Academy of Sciences
 DT Journal
 LA English

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:229166 CAPLUS
 DN 116:229166
 TI Genomic analysis using a yeast artificial chromosome library with mouse DNA inserts
 AU Rossi, Janice M.; Burke, David T.; Leung, Jimmy C. M.; Koos, David S.; Chen, Hsiuchen; Tilghman, Shirley M.
 CS Howard Hughes Med. Inst., Princeton Univ., Princeton, NJ, 08544, USA
 SO Proceedings of the National Academy of Sciences of the United States of America (1992), 89(6), 2456-60
 CODEN: PNASA6; ISSN: 0027-8424
 DT Journal
 LA English

=> dis L7 1-3 ibib kwic

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:309810 CAPLUS
 DOCUMENT NUMBER: 136:320318
 TITLE: Method for screening of DNA libraries and generation of recombinant DNA constructs utilizing .lambda. phage recombination function
 INVENTOR(S): Elledge, Stephen J.; Zhang, Pumin; Li, Mamie

PATENT ASSIGNEE(S): Baylor College of Medicine, USA
 SOURCE: U.S., 22 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6376192	B1	20020423	US 2000-724934	20001128
WO 2002044415	A1	20020606	WO 2001-US44088	20011127
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
AU 2002019856	A5	20020611	AU 2002-19856	20011127
PRIORITY APPLN. INFO.:			US 2000-724934	A 20001128
			WO 2001-US44088	W 20011127

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

TI Method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function

AB The present invention provides methods of DNA library screening includes homologous recombination in E. coli utilizing lambda phage recombination functions. The advantage of the invention is to identify and select a gene of interest based on only about 60-100 bases of homol. from a DNA library and modify that gene fragment for use as a knockout targeting vector at the same time. Specifically, the method comprises inserting a pos. selection marker such as antibiotic resistance into the target sequence by homologous recombination facilitates isolation of target sequences and requires only about 58-100 base pairs of total homol., thus allowing the use of synthetic fragments of DNA for targeting. Once the clones are selected and cloned, they can then be sequenced and used to **construct** complete genes or cDNA sequences. DNA vector is designed for genomic library **construction** that features a novel genetic selection for inserts, automatic subcloning of isolated genomic clones and the presence of a neg. selection marker adjacent to the genomic inserts to facilitate later gene targeting.

ST screening DNA library **construction** homolog recombination

IT Animal

Arabidopsis

Aves

Bacteria (Eubacteria)

Caenorhabditis elegans

Cat (Felis catus)

Cattle

Corn

Dog (Canis familiaris)

Drosophila

Embryophyta

Fish

Fungi

Guinea pig (Cavia porcellus)

Hamster

Human

Insecta

Mammalia

Mouse
 Primates
 Rabbit
 Rat
 Rice (Oryza sativa)
 Rye
 Sheep
 Swine
 Wheat
 Yeast
 (DNA library from; method for screening of DNA
 libraries and generation of recombinant DNA **constructs**
 utilizing .lambda. phage recombination function)

IT Escherichia coli
 Eukaryota
 (as host; method for screening of DNA libraries and generation of
 recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Gene, microbial
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (cI; method for screening of DNA libraries and generation of
 recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Genetic vectors
 (for genetic targeting; method for screening of DNA libraries and
 generation of recombinant DNA **constructs** utilizing .lambda.
 phage recombination function)

IT Gene, microbial
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (gam; method for screening of DNA libraries and generation of
 recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Gene targeting
 (gene knockout, mammal; method for screening of DNA libraries and
 generation of recombinant DNA **constructs** utilizing .lambda.
 phage recombination function)

IT Proteins
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (green fluorescent, as color marker; method for screening of DNA
 libraries and generation of recombinant DNA **constructs**
 utilizing .lambda. phage recombination function)

IT Recombination, genetic
 (homologous; method for screening of DNA libraries and generation of
 recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Promoter (genetic element)
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (inducible; method for screening of DNA libraries and generation of
 recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Gene, microbial
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (lacZ, promoter; method for screening of DNA libraries and generation
 of recombinant DNA **constructs** utilizing .lambda. phage
 recombination function)

IT Coliphage .lambda.
 (left arm segment, gene of; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT BAC (bacterial artificial chromosome)
 Cosmids
 (library; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Genetic element
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (loxB, loxC2, loxL, loxR, lox.DELTA.86, lox117, frt, dif, RS and att, recombination site of; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Genetic element
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (loxP, 2, 23, 3, 511, recombination site of; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Genomic library
 Molecular cloning
 Plasmid vectors
 cDNA library
 (method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Proteins
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (of color marker, as reporter; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Genetic element
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (origin of replication; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Gene, microbial
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (recA, transgenic cell expressing; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Antibiotic resistance
 (selection marker encoding; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Genetic markers
 (selection; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

IT Proteins
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (single-stranded DNA-binding, .beta., from .lambda. phage; method for screening of DNA libraries and generation of recombinant DNA

- constructs** utilizing .lambda. phage recombination function)
- IT Embryo, animal
(stem cell; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT Promoter (genetic element)
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(tac; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT Herpesviridae
(thymidine kinase of; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT 9014-00-0, Luciferase
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(as color marker; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT 37367-70-7, Lambda exonuclease 220205-76-5, Homing endonuclease I-SceI
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT 9002-06-6, Thymidine kinase
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(of herpes virus; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)
- IT 56-75-7, Chloramphenicol 57-92-1, Streptomycin, biological studies
60-54-8, Tetracycline 69-53-4, Ampicillin 1404-04-2, Neomycin
1406-05-9, Penicillin
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(selection marker encoding resistance to; method for screening of DNA libraries and generation of recombinant DNA **constructs** utilizing .lambda. phage recombination function)

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1
 ACCESSION NUMBER: 2000:576912 CAPLUS
 DOCUMENT NUMBER: 133:160371
 TITLE: Genome-wide expression profiling of mid-gestation placenta and embryo using a 15,000 mouse developmental
 cDNA microarray
 AUTHOR(S): Tanaka, Tetsuya S.; Jarada, Saied A.; Lim, Meng K.; Kargul, George J.; Wang, Xiaohong; Grahovac, Marija J.; Pantano, Serafino; Sano, Yuri; Piao, Yulan; Nagaraja, Ramaiah; Doi, Hirofumi; Wood, William H., III; Becker, Kevin, G.; Ko, Minoru S. H.
 CORPORATE SOURCE: Laboratory of Genetics, National Institutes of Health,
 Baltimore, MD, 21224-5820, USA
 SOURCE: Proceedings of the National Academy of Sciences of the
 United States of America (2000), 97(16), 9127-9132

PUBLISHER: CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: National Academy of Sciences
LANGUAGE: Journal
English

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:229166 CAPLUS

DOCUMENT NUMBER: 116:229166

TITLE: Genomic analysis using a yeast artificial chromosome library with mouse DNA inserts

AUTHOR(S): Rossi, Janice M.; Burke, David T.; Leung, Jimmy C. M.;

CORPORATE SOURCE: Koos, David S.; Chen, Hsiuchen; Tilghman, Shirley M. Howard Hughes Med. Inst., Princeton Univ., Princeton, NJ, 08544, USA

SOURCE: Proceedings of the National Academy of Sciences of the

United States of America (1992), 89(6), 2456-60

CODEN: PNASA6; ISSN: 0027-8424

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A yeast artificial chromosome library with mouse genomic DNA inserts has been **constructed**. The library encompasses a 2.5-fold coverage of the mouse genome, with an av. insert size of 250 kilobases. The screening strategy uses the polymerase chain reaction on pooled DNAs **prepd.** from individually stored clones. The usefulness of the library for chromosome walking was illustrated by **constructing** a 600-kilobase-long contig of DNA surrounding Hba-ps4, a DNA marker that is tightly linked to the fused (Fu) locus on chromosome 17.

ST **mouse DNA library** yeast artificial chromosome

IT **Mouse**

(DNA library of, in yeast artificial chromosome)

IT Molecular cloning

(of **mouse DNA library**, in yeast artificial chromosome)

IT Genetic vectors

(YAC, **mouse DNA library constructed** in)

=> L4 and construct?

L8 4 L4 AND CONSTRUCT?

=> dup rem L8

PROCESSING COMPLETED FOR L8

L9 3 DUP REM L8 (1 DUPLICATE REMOVED)

=> dis his

(FILE 'HOME' ENTERED AT 11:44:59 ON 21 OCT 2002)

FILE 'BIOSIS, EMBASE, CAPLUS, MEDLINE, SCISEARCH' ENTERED AT 11:45:49 ON 21 OCT 2002

L1 5004 S MOUSE (W) DNA

L2 26 S L1 AND GENOMIC (W) DNA (W) LIBRARY

L3 8 DUP REM L2 (18 DUPLICATES REMOVED)

L4 123 S MOUSE (W) DNA (W) LIBRARY

L5 4 L4 AND (CONSTRUCT? OR PREPAR? OR MAK?)

L6 16 DUP REM L4 (107 DUPLICATES REMOVED)

L7 3 DUP REM L5 (1 DUPLICATE REMOVED)
L8 4 L4 AND CONSTRUCT?
L9 3 DUP REM L8 (1 DUPLICATE REMOVED)

=> log off y

STN INTERNATIONAL LOGOFF AT 12:12:34 ON 21 OCT 2002